

### ABSTRACT

**[0062]** A system for uniformly dispensing agricultural chemicals in soil comprises a holding reservoir for the liquid agrichemicals, at least one multi-port uniform dispersing manifold or splitter, and a number of dispensing delivery tubes for dispensing the chemicals proximate openings or slits in the soil during various functions such as planting. The liquid agricultural chemicals, within the system, flow, under pressure, from the reservoir to the exit orifice of each delivery conduit. The multi-port, uniform liquid dispersing manifold passively equally and uniformly, divides the incoming fluid stream to provide separate, but substantially equal, divided fluid streams exiting the manifold to individual delivery conduits. The fluid stream flowing through the fluid inlet of the manifold, under pressure, impinges a planar surface, disposed at one end of the manifold inlet, substantially perpendicular to the fluid flow and proximate the manifold exits, such that the fluid stream is radially dispersed and uniformly divided among the exit ports of the manifold. Advantageously, the fluid exit ports which are radially disposed about the fluid inlet have a longitudinal axis substantially perpendicular to the fluid flow in the fluid inlet causing the direction of the exit a flow to be substantially perpendicular to the fluid flow in the fluid inlet.